

PLUMBERS' INSTALLATION INSTRUCTIONS

For Vitreous China Flex Back Inlet Wall Faced 4.5/3 litre Toilet Pan

PLEASE READ CAREFULLY BEFORE INSTALLATION

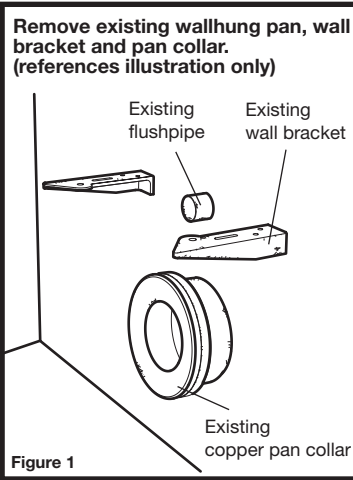


Figure 1

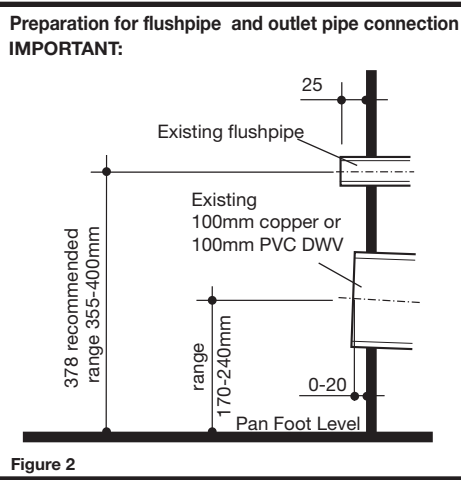


Figure 2

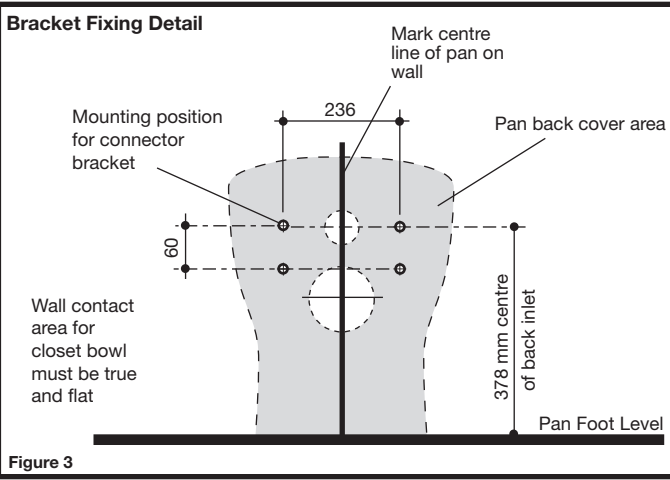


Figure 3

Flexible inlet connector replacement

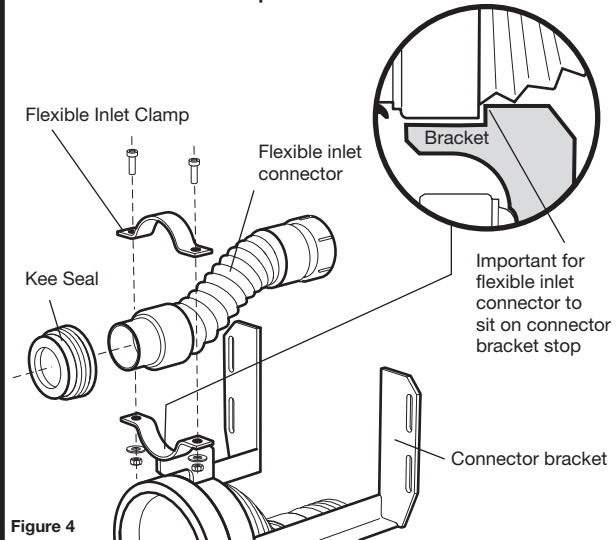


Figure 4

Flexible outlet connector installation

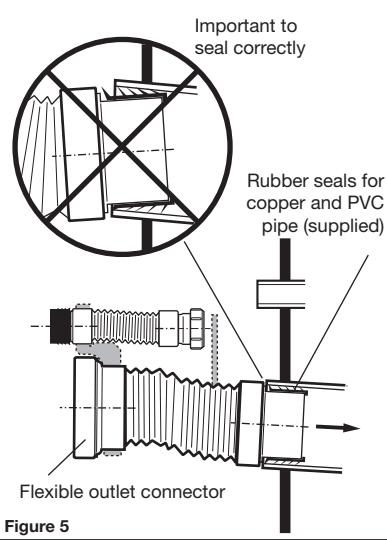


Figure 5

Flexible inlet installation

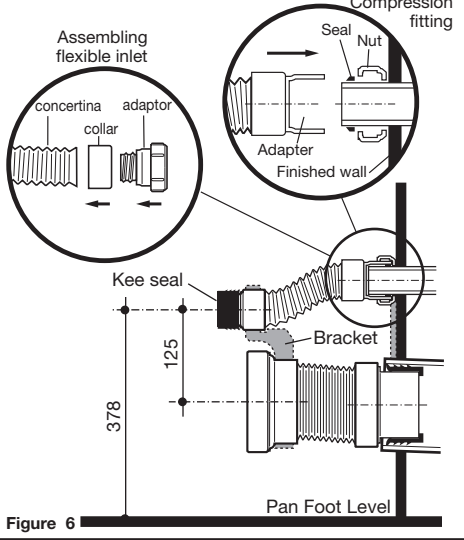


Figure 6

Concealed Fixing Bracket Location

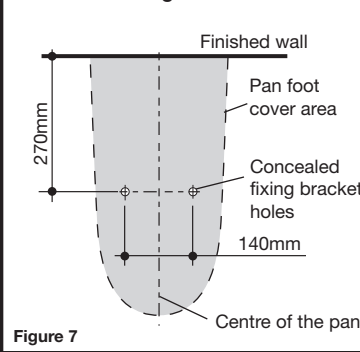


Figure 7

Bedding Installation

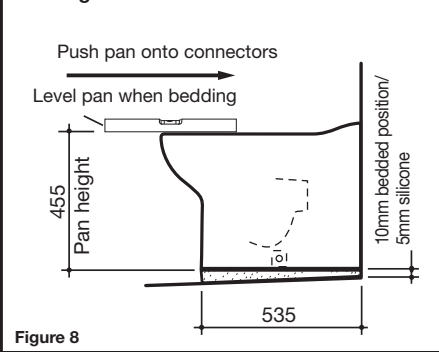


Figure 8

Fixing Hole Cover Detail for Bedding Installations

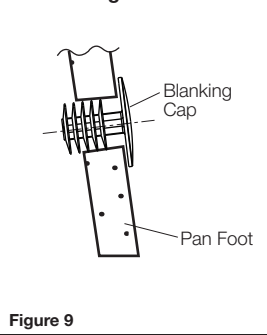


Figure 9

Concealed Fixing Bracket Detail

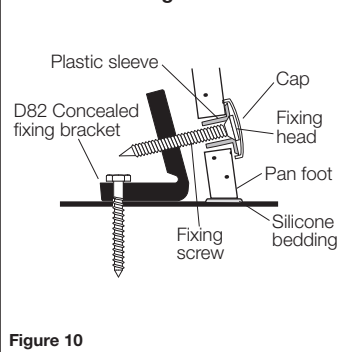


Figure 10

Caroma Flex Back Inlet Wall faced Pan

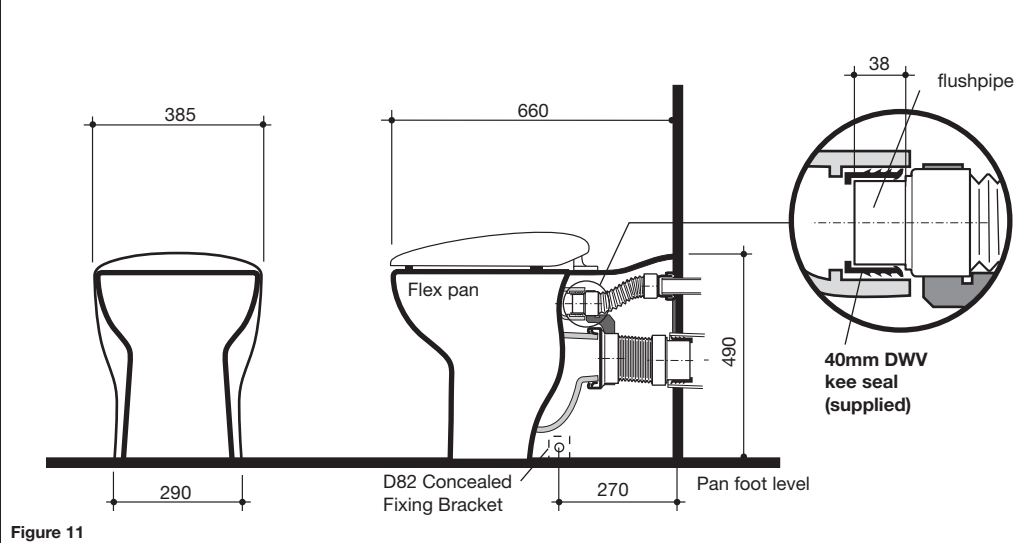


Figure 11

Flexible connectors and connector bracket

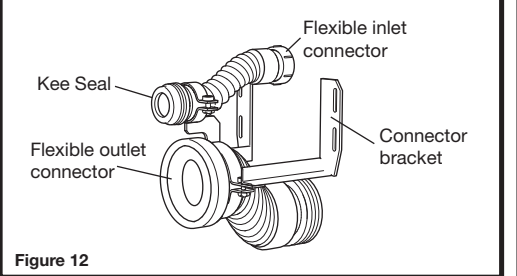


Figure 12

D82 Concealed Fixing Bracket

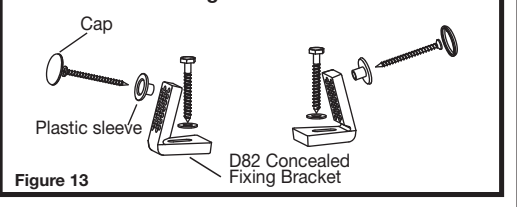


Figure 13

ROUGHING IN:

The Caroma Flex back inlet wall faced pan has been developed for 'P'-Trap installations.

IMPORTANT:

The recommended set-out for existing flushpipe in wall positions range from 355mm-400mm from the finished floor. Flexible inlet connectors for 40mm copper and 50mm copper/2" flush pipe are supplied. Optional flexible inlet connectors for 40mm PVC and 50mm PVC are available, see table below. Existing outlet in wall positions range from 170-240mm from the pan foot level with 100mm copper or PVC outlet pipe.

FLEXIBLE CONNECTORS/ BRACKET FIXING PROCEDURE

- 1- Remove existing wall-hung pan, wall bracket and pan collar as shown in **Fig. 1**. Important to clean and prepare wall surface before installation of Caroma Flex back inlet pan. Remove all rough edges from wall surface and chamfer the edges of the flush and outlet pipes.
- 2- Cut the flushpipe 25mm from finished wall. Recommended height for the flushpipe is 378mm from the pan foot level, with a range from 355 to 400mm. Cut the outlet pipe to 0-20mm from wall to remove existing pan collar. Outlet pipe connection range is 170 to 240mm from pan foot level as detailed in **Fig. 2**.
- 3- Mark centre line on finished wall. This is to be used as a guide when connecting the pan/closet, see **Fig.3**. Drill holes in wall and fit suitable wall fixings.
- 4- The supplied flexible inlet connectors are suitable for 40mm copper and 50mm copper/2" flush pipe. For other sizes of flushpipe, use appropriate CAROMA flexible connectors. DO NOT use any other brand's flexible connectors or adaptors to connect pan. See table below:

Existing flushpipe (approx OD)	Suitable flexible inlet connector
40mm copper (OD 38mm)	687057 (Supplied)
50mm copper/ 2" flush pipe (OD 51mm)	687058 (Supplied)
40mm PVC (OD 43mm)	687055
50mm PVC (OD 56mm)	687056
100mm copper & PVC outlet pipe	687060 (Supplied)

Determine suitable flexible inlet connector by the size of the existing flushpipe. To order, please contact your nearest supplier or contact Caroma directly by calling 1300 CAROMA (1300 227662).

- 5- Assemble flexible inlet by expanding the concertina. Place collar on the inlet end, screw adaptor piece into concertina until it tightens, see **Fig. 6**. Do not over tighten. Ensure flushpipe is cut to length 38mm, see **Fig. 11**. To replace supplied flexible inlet connector, loosen the bolts and nuts to open up the clamp. See **Fig. 4**. Remove supplied inlet connector and replace with appropriate connector. Important to secure connector by sitting on the bracket stop. Tighten bolts and nuts to close the clamp.
- 6- Select correct outlet seal to suit existing 100mm copper or 100mm PVC outlet pipe. Push flexible outlet connector on connector and ensure rubber seal is properly inserted, as shown in **Fig.5**. Mount the connector bracket onto the wall using suitable fixings (not supplied). Do not fully tighten the bracket to the wall to allow adjustment later. **Important:** On non-vertical walls pack the bracket accordingly so that the inlet and outlet connections will accept the pan in a level bedded position.
- 7- Connect the flexible inlet adapter to the existing flush pipe as shown on **Fig.6**.
- 8- Adjust connector bracket to the correct height and tighten fixings.
- 9- Check the back inlet height on the pan is 378mm from the

pan foot level. See **Fig. 6**. Adjust bracket height if needed to match pan and tighten fixings. Lubricate kee seal and rubber seal with soap solution to aid with pan inlet and outlet connection.

Pan bedding:

- 1- Remove the area of tiles which are within the internal area covered by the foot of the pan to expose the sub floor and provide a bondage key for the bedding mixture.
- 2- Ensure that the bedding area is clean and free of building material.
- 3- Locate and fix blanking caps (supplied) into pan fixing holes, as detailed in **Fig. 9**.
- 4- Prepare bedding sand cement mixture 3:1 to depth of 60mm, as detailed in **Fig. 8**. Note: Do not fill the foot of the pan with bedding mix or include lime or fast drying cement into the mix, these may cause cracking in the foot of the pan.
- 5- Position and push pan into the flexible connectors using the marked centre line on the wall as a guide and level pan into bedding mixture, so that the back of the foot of the pan/closet is approximately 10mm above the finished floor, as detailed in **Fig. 8**. It is recommended that wedges are used to support the foot of the pan during the positioning.

Bracket fixing:

- 1- Locate the D82 Concealed Fixing Brackets (supplied) into position on centre line of pan 270mm from the finished wall and 140mm apart from each other. See **Fig. 7**. Mark bracket fixing hole centres on finished floor. The hole diameter is dependent on the type of fixing system and floor finish.
- 2- Secure Bracket to finished floor.
- 3- Ensure that the area around the floor is clean and free from building material.
- 4- Position and push pan into the flexible connectors using the marked centre line on the wall as a guide and level pan.
- 5- Run a bead of acetic silicone sealant/caulking at a height of approximately 8mm fully around the foot of the pan which contacts the floor. Use Wedges around the foot base (if required) so that the maximum height of silicone is not greater than 5mm on completion on bedding as detailed in **Fig. 8**.
- 6- Locate plastic fixing sleeve into holes in the pan. Insert screw into the bracket and tighten.

IMPORTANT-DO NOT OVER TIGHTEN, AS THIS MAY CRACK THE PAN/CLOSET FOOT.
Snap on plastic cap (supplied), as detailed in **Fig.10**.

- 7- Provide support under the pan foot so that it is maintained in the levelled position while the silicone/caulking sealant sets. Remove any excess sealant/caulking to provide a neat joint between the pan/closet and the floor. Allow at least 24 hours for the silicone sealant/caulking to set before use.



IMPORTANT

TO ACHIEVE A SATISFACTORY 4.5/3L FLUSH PERFORMANCE AND A 4 STAR WATER EFFICIENCY RATING THE PAN MUST BE MATCHED WITH A COMPATIBLE CAROMA SMARTFLUSH 4.5/3L CISTERN.

All measurements are subject to accepted manufacturing tolerances. To ensure accuracy please check actual product dimensions before drilling for installation. The manufacturer reserves the right to change specifications at any time without giving prior notification. This product should be installed by a qualified plumber. Local authority, Water Board, and Building Regulations may apply to the installation of this product, and you should consult the appropriate bodies on these requirements.

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